

University of Georgia

COBRA + DICAMBA FOR WEED CONTROL IN SOYBEANS
 BARE-GROUND TEST - NON-CROP
 Trial ID: SB-10-15 Study Dir.: MIKE RIFFLE
 Location: ATTAPULGUS Investigator: Eric P. Prostko

Reps: 4 Plots: 6 by 25 feet
 Spray vol: 15 GAL/AC Mix Size: 1.5 liters (calculated mix size .78211)

Trt No.	Treatment Name	Form Form		Rate	Grow Stg	Appl Code	Amt Product to Measure	Rep			
		Conc	Type					Rate	Unit	1	2
1	NTC							101	213	309	405
2	CLARITY	4	SL	8.0 oz/a	POST1	A	6.249 ml/mx	102	204	314	415
	ROUNDUP P-MAX	5.5	SL	22.0 oz/a	POST1	A	17.19 ml/mx				
3	CLARITY	4	SL	16.0 oz/a	POST1	A	12.5 ml/mx	103	209	316	411
	ROUNDUP P-MAX	5.5	SL	22.0 oz/a	POST1	A	17.19 ml/mx				
4	COBRA	2	EC	10.0 oz/a	POST1	A	7.812 ml/mx	104	207	305	416
	ROUNDUP P-MAX	5.5	SL	22.0 oz/a	POST1	A	17.19 ml/mx				
	COC			0.83 % v/v	POST1	A	12.45 ml/mx				
5	COBRA	2	EC	12.5 oz/a	POST1	A	9.765 ml/mx	105	215	304	409
	ROUNDUP P-MAX	5.5	SL	22.0 oz/a	POST1	A	17.19 ml/mx				
	COC			0.83 % v/v	POST1	A	12.45 ml/mx				
6	COBRA	2	EC	16.0 oz/a	POST1	A	12.5 ml/mx	106	214	307	404
	ROUNDUP P-MAX	5.5	SL	22.0 oz/a	POST1	A	17.19 ml/mx				
	COC			0.83 % v/v	POST1	A	12.45 ml/mx				
7	CLARITY	4	SL	8.0 oz/a	POST1	A	6.249 ml/mx	107	203	315	413
	COBRA	2	EC	10.0 oz/a	POST1	A	7.812 ml/mx				
	ROUNDUP P-MAX	5.5	SL	22.0 oz/a	POST1	A	17.19 ml/mx				
	COC			0.83 % v/v	POST1	A	12.45 ml/mx				
8	CLARITY	4	SL	8.0 oz/a	POST1	A	6.249 ml/mx	108	202	310	412
	COBRA	2	EC	12.5 oz/a	POST1	A	9.765 ml/mx				
	ROUNDUP P-MAX	5.5	SL	22.0 oz/a	POST1	A	17.19 ml/mx				
	COC			0.83 % v/v	POST1	A	12.45 ml/mx				
9	CLARITY	4	SL	16.0 oz/a	POST1	A	12.5 ml/mx	109	210	313	414
	COBRA	2	EC	10.0 oz/a	POST1	A	7.812 ml/mx				
	ROUNDUP P-MAX	5.5	SL	22.0 oz/a	POST1	A	17.19 ml/mx				
	COC			0.83 % v/v	POST1	A	12.45 ml/mx				
10	CLARITY	4	SL	16.0 oz/a	POST1	A	12.5 ml/mx	110	208	302	401
	COBRA	2	EC	12.5 oz/a	POST1	A	9.765 ml/mx				
	ROUNDUP P-MAX	5.5	SL	22.0 oz/a	POST1	A	17.19 ml/mx				
	COC			0.83 % v/v	POST1	A	12.45 ml/mx				
	CLARITY	4	SL	8.0 oz/a	POST2	B	6.249 ml/mx				
	COBRA	2	EC	10.0 oz/a	POST2	B	7.812 ml/mx				
	ROUNDUP P-MAX	5.5	SL	22.0 oz/a	POST2	B	17.19 ml/mx				
COC			0.83 % v/v	POST2	B	12.45 ml/mx					
12	CLARITY	4	SL	8.0 oz/a	POST1	A	6.249 ml/mx	112	211	306	402
	COBRA	2	EC	12.5 oz/a	POST1	A	9.765 ml/mx				
	ROUNDUP P-MAX	5.5	SL	22.0 oz/a	POST1	A	17.19 ml/mx				
	COC			0.83 % v/v	POST1	A	12.45 ml/mx				
	CLARITY	4	SL	8.0 oz/a	POST2	B	6.249 ml/mx				
	COBRA	2	EC	12.5 oz/a	POST2	B	9.765 ml/mx				
	ROUNDUP P-MAX	5.5	SL	22.0 oz/a	POST2	B	17.19 ml/mx				
COC			0.83 % v/v	POST2	B	12.45 ml/mx					
13	CLARITY	4	SL	16.0 oz/a	POST1	A	12.5 ml/mx	113	212	311	403
	COBRA	2	EC	10.0 oz/a	POST1	A	7.812 ml/mx				
	ROUNDUP P-MAX	5.5	SL	22.0 oz/a	POST1	A	17.19 ml/mx				
	COC			0.83 % v/v	POST1	A	12.45 ml/mx				
	CLARITY	4	SL	16.0 oz/a	POST2	B	12.5 ml/mx				
	COBRA	2	EC	10.0 oz/a	POST2	B	7.812 ml/mx				
	ROUNDUP P-MAX	5.5	SL	22.0 oz/a	POST2	B	17.19 ml/mx				
COC			0.83 % v/v	POST2	B	12.45 ml/mx					

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Reps: 4 Plots: 6 by 25 feet
 Spray vol: 15 GAL/AC Mix Size: 1.5 liters (calculated mix size .78211)

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code	Amt Product to Measure	Rep 1	Rep 2	Rep 3	Rep 4
14	CLARITY	4	SL	16.0	oz/a	POST1	A	12.5 ml/mx	114	205	308	406
	COBRA	2	EC	12.5	oz/a	POST1	A	9.765 ml/mx				
	ROUNDUP P-MAX	5.5	SL	22.0	oz/a	POST1	A	17.19 ml/mx				
	COC			0.83	% v/v	POST1	A	12.45 ml/mx				
	CLARITY	4	SL	16.0	oz/a	POST2	B	12.5 ml/mx				
	COBRA	2	EC	12.5	oz/a	POST2	B	9.765 ml/mx				
	ROUNDUP P-MAX	5.5	SL	22.0	oz/a	POST2	B	17.19 ml/mx				
	COC			0.83	% v/v	POST2	B	12.45 ml/mx				
15	CLARITY	4	SL	16.0	oz/a	POST1	A	12.5 ml/mx	115	216	303	410
	ROUNDUP P-MAX	5.5	SL	22.0	oz/a	POST1	A	17.19 ml/mx				
	REFLEX	2	SL	24.0	oz/a	POST1	A	18.75 ml/mx				
	COC			0.83	% v/v	POST1	A	12.45 ml/mx				
16	CLARITY	4	SL	16.0	oz/a	POST1	A	12.5 ml/mx	116	201	312	407

Sort Order: Treatment

Trial Comments
<p>COC @ 0.83% V/V = 16 OZ/A</p> <p><u>SUMMARY:</u></p> <p>1) SINGLE APPLICATIONS OF ROUNDUP + CLARITY WERE LESS EFFECTIVE IN CONTROLLING PALMER AMARANTH AND SMALLFLOWER MG THAN ROUNDUP + COBRA.</p> <p>2) SINGLE OR SPLIT APPLICATIONS OF 3-WAY TANK-MIXES OF ROUNDUP + CLARITY + COBRA WERE NOT MORE EFFECTIVE THAN A SINGLE APPLICATION OF ROUNDUP + COBRA @ 16 OZ/A IN CONTROLLING PALMER AMARANTH.</p> <p>3) ANNUAL GRASS CONTROL WAS BETTER WHEN SPLIT APPLICATIONS OF ROUNDUP WERE USED. GENERALLY, SINGLE APPLICATIONS DID NOT PROVIDE ACCEPTABLE CONTROL.</p>

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		WEED STAGE AT EACH APPLICATION					
		A	B	C	D	E	F
Weed 1	Stage: AMAPA	1-8"	_____	_____	_____	_____	_____
	Stage Scale:	_____	_____	_____	_____	_____	_____
	Density, Unit:	_____	_____	_____	_____	_____	_____
Weed 2	Stage: MOLVE	2"	_____	_____	_____	_____	_____
	Stage Scale:	_____	_____	_____	_____	_____	_____
	Density, Unit:	_____	_____	_____	_____	_____	_____
Weed 3	Stage: IAQTA	3"	_____	_____	_____	_____	_____
	Stage Scale:	_____	_____	_____	_____	_____	_____
	Density, Unit:	_____	_____	_____	_____	_____	_____
Weed 4	Stage: AGRASS		_____	_____	_____	_____	_____
	Stage Scale:		_____	_____	_____	_____	_____
	Density, Unit:		_____	_____	_____	_____	_____
Weed 5	Stage: _____	5"	2-3"	_____	_____	_____	_____
	Stage Scale:	_____	_____	_____	_____	_____	_____
	Density, Unit:	_____	_____	_____	_____	_____	_____

		APPLICATION EQUIPMENT					
		A	B	C	D	E	F
Appl. Equipment:	BACKPACK	SAME AS A	_____	_____	_____	_____	_____
Operating Pressure:	38	_____	_____	_____	_____	_____	_____
Nozzle Type:	TTI	_____	_____	_____	_____	_____	_____
Nozzle Size:	02	_____	_____	_____	_____	_____	_____
Nozzle Spacing, Unit:	20	IN	_____	_____	_____	_____	_____
Nozzles/Row:	_____	_____	_____	_____	_____	_____	_____
Band Width, Unit:	_____	_____	_____	_____	_____	_____	_____
Boom Length, Unit:	60	IN	_____	_____	_____	_____	_____
Boom Height, Unit:	20	IN	_____	_____	_____	_____	_____
Ground Speed, Unit:	3.5	MPH	_____	_____	_____	_____	_____
Incorporation Equip.:	_____	_____	_____	_____	_____	_____	_____
Hours to Incorp.:	_____	_____	_____	_____	_____	_____	_____
Incorp. Depth, Unit:	_____	_____	_____	_____	_____	_____	_____
Carrier:	WATER	_____	_____	_____	_____	_____	_____
Spray Volume, Unit:	15	GP	_____	_____	_____	_____	_____
Spray pH:	_____	_____	_____	_____	_____	_____	_____
Propellant:	CO2	_____	_____	_____	_____	_____	_____
Tank Mix (Y/N):	-	-	-	-	-	-	-

Trt No	Treatment Application Comment
_____	_____

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COBRA + DICAMBA FOR WEED CONTROL IN SOYBEANS BARE-GROUND TEST - NON-CROP Trial ID: SB-10-15 Study Dir.: MIKE RIFFLE Location: ATTAPULGUS Investigator: Eric P. Prostko							AMAPA ----- CONTROL PERCENT Jun-9-15	ANNUAL GRASS CONTROL PERCENT Jun-9-15	IAQTA ----- CONTROL PERCENT Jun-9-15	MOLVE ----- CONTROL PERCENT Jun-9-15	AMAPA ----- CONTROL PERCENT Jun-28-15	ANNUAL GRASS CONTROL PERCENT Jun-28-15
Weed Code												
Crop Code												
Rating Data Type												
Rating Unit												
Rating Date												
Trt Treatment No. Name	Form Conc	Form Type	Rate Rate Unit	Grow Stg	Appl Code							
1 NTC						0.0 e						
2 CLARITY	4 SL		8.0 oz/a	POST1 A		72.5 c						
ROUNDUP P-MAX	5.5 SL		22.0 oz/a	POST1 A		99.0 a						
3 CLARITY	4 SL		16.0 oz/a	POST1 A		85.0 b						
ROUNDUP P-MAX	5.5 SL		22.0 oz/a	POST1 A		98.0 a						
4 COBRA	2 EC		10.0 oz/a	POST1 A		99.0 a						
ROUNDUP P-MAX	5.5 SL		22.0 oz/a	POST1 A		94.8 a						
COC			0.83 % v/v	POST1 A		91.0 a						
5 COBRA	2 EC		12.5 oz/a	POST1 A		98.0 a						
ROUNDUP P-MAX	5.5 SL		22.0 oz/a	POST1 A		93.3 a						
COC			0.83 % v/v	POST1 A		95.5 a						
6 COBRA	2 EC		16.0 oz/a	POST1 A		98.0 a						
ROUNDUP P-MAX	5.5 SL		22.0 oz/a	POST1 A		95.0 a						
COC			0.83 % v/v	POST1 A		94.5 a						
7 CLARITY	4 SL		8.0 oz/a	POST1 A		99.0 a						
COBRA	2 EC		10.0 oz/a	POST1 A		93.5 a						
ROUNDUP P-MAX	5.5 SL		22.0 oz/a	POST1 A		98.0 a						
COC			0.83 % v/v	POST1 A		99.0 a						
8 CLARITY	4 SL		8.0 oz/a	POST1 A		99.0 a						
COBRA	2 EC		12.5 oz/a	POST1 A		92.5 a						
ROUNDUP P-MAX	5.5 SL		22.0 oz/a	POST1 A		99.0 a						
COC			0.83 % v/v	POST1 A		99.0 a						
9 CLARITY	4 SL		16.0 oz/a	POST1 A		99.0 a						
COBRA	2 EC		10.0 oz/a	POST1 A		93.3 a						
ROUNDUP P-MAX	5.5 SL		22.0 oz/a	POST1 A		95.5 a						
COC			0.83 % v/v	POST1 A		99.0 a						
10 CLARITY	4 SL		16.0 oz/a	POST1 A		99.0 a						
COBRA	2 EC		12.5 oz/a	POST1 A		83.8 b						
ROUNDUP P-MAX	5.5 SL		22.0 oz/a	POST1 A		99.0 a						
COC			0.83 % v/v	POST1 A		99.0 a						
11 CLARITY	4 SL		8.0 oz/a	POST1 A		99.0 a						
COBRA	2 EC		10.0 oz/a	POST1 A		92.0 a						
ROUNDUP P-MAX	5.5 SL		22.0 oz/a	POST1 A		91.0 a						
COC			0.83 % v/v	POST1 A		99.0 a						
CLARITY	4 SL		8.0 oz/a	POST2 B		99.0 a						
COBRA	2 EC		10.0 oz/a	POST2 B		99.0 a						
ROUNDUP P-MAX	5.5 SL		22.0 oz/a	POST2 B		99.0 a						
COC			0.83 % v/v	POST2 B		99.0 a						
12 CLARITY	4 SL		8.0 oz/a	POST1 A		99.0 a						
COBRA	2 EC		12.5 oz/a	POST1 A		97.0 a						
ROUNDUP P-MAX	5.5 SL		22.0 oz/a	POST1 A		98.0 a						
COC			0.83 % v/v	POST1 A		99.0 a						
CLARITY	4 SL		8.0 oz/a	POST2 B		99.0 a						
COBRA	2 EC		12.5 oz/a	POST2 B		99.0 a						
ROUNDUP P-MAX	5.5 SL		22.0 oz/a	POST2 B		99.0 a						
COC			0.83 % v/v	POST2 B		99.0 a						
13 CLARITY	4 SL		16.0 oz/a	POST1 A		99.0 a						
COBRA	2 EC		10.0 oz/a	POST1 A		92.5 a						
ROUNDUP P-MAX	5.5 SL		22.0 oz/a	POST1 A		99.0 a						
COC			0.83 % v/v	POST1 A		99.0 a						
CLARITY	4 SL		16.0 oz/a	POST2 B		99.0 a						
COBRA	2 EC		10.0 oz/a	POST2 B		99.0 a						
ROUNDUP P-MAX	5.5 SL		22.0 oz/a	POST2 B		99.0 a						
COC			0.83 % v/v	POST2 B		99.0 a						

Means followed by same letter do not significantly differ (P=.10, Duncan's New MRT)
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.
 Could not calculate LSD (% mean diff) for columns 4 because error mean square = 0.

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Weed Code Crop Code Rating Data Type Rating Unit Rating Date						AMAPA ----- CONTROL PERCENT Jun-9-15	ANNUAL GRASS ----- CONTROL PERCENT Jun-9-15	IAQTA ----- CONTROL PERCENT Jun-9-15	MOLVE ----- CONTROL PERCENT Jun-9-15	AMAPA ----- CONTROL PERCENT Jun-28-15	ANNUAL GRASS ----- CONTROL PERCENT Jun-28-15	
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Grow Stg	Appl Code	1	2	3	4	5	6
14	CLARITY	4	SL	16.0 oz/a	POST1	A	99.0 a	92.5 a	98.0 a	99.0 a	99.0 a	95.0 a
	COBRA	2	EC	12.5 oz/a	POST1	A						
	ROUNDUP P-MAX	5.5	SL	22.0 oz/a	POST1	A						
	COC			0.83 % v/v	POST1	A						
	CLARITY	4	SL	16.0 oz/a	POST2	B						
	COBRA	2	EC	12.5 oz/a	POST2	B						
	ROUNDUP P-MAX	5.5	SL	22.0 oz/a	POST2	B						
	COC			0.83 % v/v	POST2	B						
15	CLARITY	4	SL	16.0 oz/a	POST1	A	99.0 a	80.0 b	95.5 a	99.0 a	96.8 a	75.0 fg
	ROUNDUP P-MAX	5.5	SL	22.0 oz/a	POST1	A						
	REFLEX	2	SL	24.0 oz/a	POST1	A						
	COC			0.83 % v/v	POST1	A						
16	CLARITY	4	SL	16.0 oz/a	POST1	A	60.0 d	0.0 c	50.0 c	50.0 b	62.5 c	0.0 h
LSD P=.10							7.96	6.40	7.53	.	7.85	7.66
Standard Deviation							6.70	5.39	6.34	0.00	6.61	6.45
CV							7.64	6.64	7.65	0.0	7.78	8.73
Grand Mean							87.72	81.06	82.83	89.75	84.98	73.84
Bartlett's X2							18.826	16.189	21.644	0.0	22.175	13.645
P(Bartlett's X2)							0.001*	0.134	0.017*	.	0.002*	0.324
Replicate F							2.060	1.148	2.265	0.000	0.573	4.891
Replicate Prob(F)							0.1190	0.3401	0.0939	1.0000	0.6358	0.0050
Treatment F							60.468	141.216	74.022	0.000	63.796	85.320
Treatment Prob(F)							0.0001	0.0001	0.0001	1.0000	0.0001	0.0001

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Weed Code Crop Code Rating Data Type Rating Unit Rating Date						AMAPA ----- CONTROL PERCENT Jul-7-15	ANNUAL GRASS CONTROL PERCENT Jul-7-15
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Grow Stg	Appl Code	
1	NTC						0.0 f 0.0 g
2	CLARITY	4	SL	8.0 oz/a	POST1	A	40.0 e 77.5 a-d
	ROUNDUP P-MAX	5.5	SL	22.0 oz/a	POST1	A	
3	CLARITY	4	SL	16.0 oz/a	POST1	A	70.0 d 82.5 ab
	ROUNDUP P-MAX	5.5	SL	22.0 oz/a	POST1	A	
4	COBRA	2	EC	10.0 oz/a	POST1	A	83.8 bc 72.5 a-e
	ROUNDUP P-MAX	5.5	SL	22.0 oz/a	POST1	A	
	COC			0.83 % v/v	POST1	A	
5	COBRA	2	EC	12.5 oz/a	POST1	A	81.3 cd 58.8 de
	ROUNDUP P-MAX	5.5	SL	22.0 oz/a	POST1	A	
	COC			0.83 % v/v	POST1	A	
6	COBRA	2	EC	16.0 oz/a	POST1	A	93.5 abc 65.0 b-e
	ROUNDUP P-MAX	5.5	SL	22.0 oz/a	POST1	A	
	COC			0.83 % v/v	POST1	A	
7	CLARITY	4	SL	8.0 oz/a	POST1	A	94.5 abc 65.0 b-e
	COBRA	2	EC	10.0 oz/a	POST1	A	
	ROUNDUP P-MAX	5.5	SL	22.0 oz/a	POST1	A	
	COC			0.83 % v/v	POST1	A	
8	CLARITY	4	SL	8.0 oz/a	POST1	A	99.0 a 70.0 a-e
	COBRA	2	EC	12.5 oz/a	POST1	A	
	ROUNDUP P-MAX	5.5	SL	22.0 oz/a	POST1	A	
	COC			0.83 % v/v	POST1	A	
9	CLARITY	4	SL	16.0 oz/a	POST1	A	92.0 abc 57.5 e
	COBRA	2	EC	10.0 oz/a	POST1	A	
	ROUNDUP P-MAX	5.5	SL	22.0 oz/a	POST1	A	
	COC			0.83 % v/v	POST1	A	
10	CLARITY	4	SL	16.0 oz/a	POST1	A	96.8 ab 62.5 cde
	COBRA	2	EC	12.5 oz/a	POST1	A	
	ROUNDUP P-MAX	5.5	SL	22.0 oz/a	POST1	A	
	COC			0.83 % v/v	POST1	A	
11	CLARITY	4	SL	8.0 oz/a	POST1	A	99.0 a 81.3 abc
	COBRA	2	EC	10.0 oz/a	POST1	A	
	ROUNDUP P-MAX	5.5	SL	22.0 oz/a	POST1	A	
	COC			0.83 % v/v	POST1	A	
	CLARITY	4	SL	8.0 oz/a	POST2	B	
	COBRA	2	EC	10.0 oz/a	POST2	B	
	ROUNDUP P-MAX	5.5	SL	22.0 oz/a	POST2	B	
	COC			0.83 % v/v	POST2	B	
12	CLARITY	4	SL	8.0 oz/a	POST1	A	99.0 a 86.3 a
	COBRA	2	EC	12.5 oz/a	POST1	A	
	ROUNDUP P-MAX	5.5	SL	22.0 oz/a	POST1	A	
	COC			0.83 % v/v	POST1	A	
	CLARITY	4	SL	8.0 oz/a	POST2	B	
	COBRA	2	EC	12.5 oz/a	POST2	B	
	ROUNDUP P-MAX	5.5	SL	22.0 oz/a	POST2	B	
	COC			0.83 % v/v	POST2	B	
13	CLARITY	4	SL	16.0 oz/a	POST1	A	99.0 a 86.3 a
	COBRA	2	EC	10.0 oz/a	POST1	A	
	ROUNDUP P-MAX	5.5	SL	22.0 oz/a	POST1	A	
	COC			0.83 % v/v	POST1	A	
	CLARITY	4	SL	16.0 oz/a	POST2	B	
	COBRA	2	EC	10.0 oz/a	POST2	B	
	ROUNDUP P-MAX	5.5	SL	22.0 oz/a	POST2	B	
	COC			0.83 % v/v	POST2	B	

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Weed Code						AMAPA	ANNUAL
Crop Code						-----	GRASS
Rating Data Type						CONTROL	CONTROL
Rating Unit						PERCENT	PERCENT
Rating Date						Jul-7-15	Jul-7-15
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate Unit	Grow Stg	Appl Code	
						7	8
14	CLARITY	4	SL	16.0 oz/a	POST1 A		
	COBRA	2	EC	12.5 oz/a	POST1 A		
	ROUNDUP P-MAX	5.5	SL	22.0 oz/a	POST1 A		
	COC			0.83 % v/v	POST1 A		
	CLARITY	4	SL	16.0 oz/a	POST2 B		
	COBRA	2	EC	12.5 oz/a	POST2 B		
	ROUNDUP P-MAX	5.5	SL	22.0 oz/a	POST2 B		
	COC			0.83 % v/v	POST2 B		
15	CLARITY	4	SL	16.0 oz/a	POST1 A		
	ROUNDUP P-MAX	5.5	SL	22.0 oz/a	POST1 A		
	REFLEX	2	SL	24.0 oz/a	POST1 A		
	COC			0.83 % v/v	POST1 A		
16	CLARITY	4	SL	16.0 oz/a	POST1 A		
LSD P=.10						12.51	17.01
Standard Deviation						10.54	14.32
CV						12.7	21.95
Grand Mean						82.94	65.23
Bartlett's X2						17.312	54.074
P(Bartlett's X2)						0.044*	0.001*
Replicate F						1.006	2.054
Replicate Prob(F)						0.3987	0.1198
Treatment F						26.169	10.264
Treatment Prob(F)						0.0001	0.0001

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COBRA + DICAMBA FOR WEED CONTROL IN SOYBEANS
BARE-GROUND TEST - NON-CROP

Trial ID: SB-10-15 Study Dir.: MIKE RIFFLE
Location: ATTAPULGUS Investigator: Eric P. Prostko

Weed Code

AMAPA = AMARANTH, PALMER / AMARANTHUS PALMERI S.WATS.
IAQTA = MORNINGGLORY, SMALLFLOWER / JACQUEMONTIA TAMNIFOLIA (L.) GRISEB.
MOLVE = CARPETWEED / MOLLUGO VERTICILLATA L.

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COBRA + DICAMBA FOR WEED CONTROL IN SOYBEANS BARE-GROUND TEST - NON-CROP							AMAPA	ANNUAL GRASS	IAQTA	MOLVE	AMAPA	ANNUAL GRASS
Trial ID: SB-10-15		Study Dir.: MIKE RIFFLE					CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Location: ATTAPULGUS		Investigator: Eric P. Prostko					PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Data Type	Rating Unit	Rating Date					Jun-9-15	Jun-9-15	Jun-9-15	Jun-9-15	Jun-28-15	Jun-28-15
Trt Treatment	Form	Form	Rate	Grow	Appl							
No. Name	Conc	Type	Rate Unit	Stg	Code Plot	1	2	3	4	5	6	
1 NTC					101	0.0	0.0	0.0	0.0	0.0	0.0	
					213	0.0	0.0	0.0	0.0	0.0	0.0	
					309	0.0	0.0	0.0	0.0	0.0	0.0	
					405	0.0	0.0	0.0	0.0	0.0	0.0	
					Mean =	0.0	0.0	0.0	0.0	0.0	0.0	
2 CLARITY	4 SL		8.0 oz/a	POST1 A	102	45.0	99.0	50.0	99.0	45.0	90.0	
ROUNDUP P-MAX	5.5 SL		22.0 oz/a	POST1 A	204	65.0	99.0	60.0	99.0	50.0	95.0	
					314	90.0	99.0	65.0	99.0	70.0	85.0	
					415	90.0	99.0	65.0	99.0	60.0	90.0	
					Mean =	72.5	99.0	60.0	99.0	56.3	90.0	
3 CLARITY	4 SL		16.0 oz/a	POST1 A	103	60.0	95.0	60.0	99.0	50.0	90.0	
ROUNDUP P-MAX	5.5 SL		22.0 oz/a	POST1 A	209	95.0	99.0	50.0	99.0	90.0	80.0	
					316	90.0	99.0	50.0	99.0	85.0	90.0	
					411	95.0	99.0	85.0	99.0	85.0	90.0	
					Mean =	85.0	98.0	61.3	99.0	77.5	87.5	
4 COBRA	2 EC		10.0 oz/a	POST1 A	104	99.0	90.0	99.0	99.0	99.0	80.0	
ROUNDUP P-MAX	5.5 SL		22.0 oz/a	POST1 A	207	99.0	99.0	75.0	99.0	90.0	90.0	
COC			0.83 % v/v	POST1 A	305	99.0	95.0	95.0	99.0	80.0	80.0	
					416	99.0	95.0	95.0	99.0	95.0	85.0	
					Mean =	99.0	94.8	91.0	99.0	91.0	83.8	
5 COBRA	2 EC		12.5 oz/a	POST1 A	105	95.0	80.0	99.0	99.0	95.0	75.0	
ROUNDUP P-MAX	5.5 SL		22.0 oz/a	POST1 A	215	99.0	99.0	85.0	99.0	99.0	75.0	
COC			0.83 % v/v	POST1 A	304	99.0	99.0	99.0	99.0	90.0	65.0	
					409	99.0	95.0	99.0	99.0	75.0	65.0	
					Mean =	98.0	93.3	95.5	99.0	89.8	70.0	
6 COBRA	2 EC		16.0 oz/a	POST1 A	106	99.0	95.0	99.0	99.0	99.0	90.0	
ROUNDUP P-MAX	5.5 SL		22.0 oz/a	POST1 A	214	95.0	95.0	85.0	99.0	95.0	75.0	
COC			0.83 % v/v	POST1 A	307	99.0	95.0	99.0	99.0	95.0	80.0	
					404	99.0	95.0	95.0	99.0	95.0	85.0	
					Mean =	98.0	95.0	94.5	99.0	96.0	82.5	
7 CLARITY	4 SL		8.0 oz/a	POST1 A	107	99.0	90.0	99.0	99.0	99.0	80.0	
COBRA	2 EC		10.0 oz/a	POST1 A	203	99.0	90.0	99.0	99.0	99.0	85.0	
ROUNDUP P-MAX	5.5 SL		22.0 oz/a	POST1 A	315	99.0	95.0	99.0	99.0	99.0	90.0	
COC			0.83 % v/v	POST1 A	413	99.0	99.0	95.0	99.0	99.0	85.0	
					Mean =	99.0	93.5	98.0	99.0	99.0	85.0	
8 CLARITY	4 SL		8.0 oz/a	POST1 A	108	99.0	95.0	99.0	99.0	99.0	85.0	
COBRA	2 EC		12.5 oz/a	POST1 A	202	99.0	85.0	99.0	99.0	99.0	85.0	
ROUNDUP P-MAX	5.5 SL		22.0 oz/a	POST1 A	310	99.0	95.0	99.0	99.0	99.0	60.0	
COC			0.83 % v/v	POST1 A	412	99.0	95.0	99.0	99.0	99.0	85.0	
					Mean =	99.0	92.5	99.0	99.0	99.0	78.8	
9 CLARITY	4 SL		16.0 oz/a	POST1 A	109	99.0	90.0	85.0	99.0	95.0	85.0	
COBRA	2 EC		10.0 oz/a	POST1 A	210	99.0	85.0	99.0	99.0	95.0	75.0	
ROUNDUP P-MAX	5.5 SL		22.0 oz/a	POST1 A	313	99.0	99.0	99.0	99.0	99.0	65.0	
COC			0.83 % v/v	POST1 A	414	99.0	99.0	99.0	99.0	99.0	95.0	
					Mean =	99.0	93.3	95.5	99.0	97.0	80.0	
10 CLARITY	4 SL		16.0 oz/a	POST1 A	110	99.0	85.0	99.0	99.0	99.0	85.0	
COBRA	2 EC		12.5 oz/a	POST1 A	208	99.0	80.0	99.0	99.0	99.0	75.0	
ROUNDUP P-MAX	5.5 SL		22.0 oz/a	POST1 A	302	99.0	75.0	99.0	99.0	99.0	65.0	
COC			0.83 % v/v	POST1 A	401	99.0	95.0	99.0	99.0	99.0	75.0	
					Mean =	99.0	83.8	99.0	99.0	99.0	75.0	
11 CLARITY	4 SL		8.0 oz/a	POST1 A	111	99.0	95.0	85.0	99.0	99.0	95.0	
COBRA	2 EC		10.0 oz/a	POST1 A	206	99.0	99.0	95.0	99.0	99.0	90.0	
ROUNDUP P-MAX	5.5 SL		22.0 oz/a	POST1 A	301	99.0	75.0	85.0	99.0	99.0	75.0	
COC			0.83 % v/v	POST1 A	408	99.0	99.0	99.0	99.0	99.0	99.0	
CLARITY	4 SL		8.0 oz/a	POST2 B								
COBRA	2 EC		10.0 oz/a	POST2 B								
ROUNDUP P-MAX	5.5 SL		22.0 oz/a	POST2 B								
COC			0.83 % v/v	POST2 B								
					Mean =	99.0	92.0	91.0	99.0	99.0	89.8	

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Weed Code Crop Code Rating Data Type Rating Unit Rating Date						AMAPA ----- CONTROL PERCENT Jun-9-15	ANNUAL GRASS ----- CONTROL PERCENT Jun-9-15	IAQTA ----- CONTROL PERCENT Jun-9-15	MOLVE ----- CONTROL PERCENT Jun-9-15	AMAPA ----- CONTROL PERCENT Jun-28-15	ANNUAL GRASS ----- CONTROL PERCENT Jun-28-15	
Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit	Grow Stg	Appl Code Plot	1	2	3	4	5	6
12	CLARITY	4 SL		8.0 oz/a	POST1 A	112	99.0	99.0	99.0	99.0	99.0	99.0
	COBRA	2 EC		12.5 oz/a	POST1 A	211	99.0	95.0	99.0	99.0	99.0	90.0
	ROUNDUP P-MAX	5.5 SL		22.0 oz/a	POST1 A	306	99.0	99.0	95.0	99.0	99.0	95.0
	COBRA			0.83 % v/v	POST1 A	402	99.0	95.0	99.0	99.0	99.0	90.0
	CLARITY	4 SL		8.0 oz/a	POST2 B							
	COBRA	2 EC		12.5 oz/a	POST2 B							
	ROUNDUP P-MAX	5.5 SL		22.0 oz/a	POST2 B							
	COC			0.83 % v/v	POST2 B							
						Mean =	99.0	97.0	98.0	99.0	99.0	93.5
13	CLARITY	4 SL		16.0 oz/a	POST1 A	113	99.0	95.0	99.0	99.0	99.0	99.0
	COBRA	2 EC		10.0 oz/a	POST1 A	212	99.0	90.0	99.0	99.0	99.0	99.0
	ROUNDUP P-MAX	5.5 SL		22.0 oz/a	POST1 A	311	99.0	90.0	99.0	99.0	99.0	90.0
	COBRA			0.83 % v/v	POST1 A	403	99.0	95.0	99.0	99.0	99.0	95.0
	CLARITY	4 SL		16.0 oz/a	POST2 B							
	COBRA	2 EC		10.0 oz/a	POST2 B							
	ROUNDUP P-MAX	5.5 SL		22.0 oz/a	POST2 B							
	COC			0.83 % v/v	POST2 B							
						Mean =	99.0	92.5	99.0	99.0	99.0	95.8
14	CLARITY	4 SL		16.0 oz/a	POST1 A	114	99.0	85.0	99.0	99.0	99.0	95.0
	COBRA	2 EC		12.5 oz/a	POST1 A	205	99.0	95.0	95.0	99.0	99.0	95.0
	ROUNDUP P-MAX	5.5 SL		22.0 oz/a	POST1 A	308	99.0	95.0	99.0	99.0	99.0	95.0
	COBRA			0.83 % v/v	POST1 A	406	99.0	95.0	99.0	99.0	99.0	95.0
	CLARITY	4 SL		16.0 oz/a	POST2 B							
	COBRA	2 EC		12.5 oz/a	POST2 B							
	ROUNDUP P-MAX	5.5 SL		22.0 oz/a	POST2 B							
	COC			0.83 % v/v	POST2 B							
						Mean =	99.0	92.5	98.0	99.0	99.0	95.0
15	CLARITY	4 SL		16.0 oz/a	POST1 A	115	99.0	85.0	85.0	99.0	99.0	85.0
	ROUNDUP P-MAX	5.5 SL		22.0 oz/a	POST1 A	216	99.0	85.0	99.0	99.0	99.0	85.0
	REFLEX	2 SL		24.0 oz/a	POST1 A	303	99.0	75.0	99.0	99.0	99.0	65.0
	COBRA			0.83 % v/v	POST1 A	410	99.0	75.0	99.0	99.0	99.0	65.0
						Mean =	99.0	80.0	95.5	99.0	96.8	75.0
16	CLARITY	4 SL		16.0 oz/a	POST1 A	116	60.0	0.0	50.0	50.0	60.0	0.0
						201	60.0	0.0	50.0	50.0	65.0	0.0
						312	60.0	0.0	50.0	50.0	65.0	0.0
						407	60.0	0.0	50.0	50.0	60.0	0.0
						Mean =	60.0	0.0	50.0	50.0	62.5	0.0

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Weed Code Crop Code Rating Data Type Rating Unit Rating Date						AMAPA ----- CONTROL PERCENT Jul-7-15	ANNUAL GRASS CONTROL PERCENT Jul-7-15	
Trt	Treatment	Form	Form	Rate	Grow	Appl		
No. Name		Conc	Type	Rate Unit	Stg	Code Plot		
							7	
							8	
1	NTC					101	0.0	0.0
						213	0.0	0.0
						309	0.0	0.0
						405	0.0	0.0
						Mean =	0.0	0.0
2	CLARITY	4	SL	8.0 oz/a	POST1 A	102	10.0	85.0
	ROUNDUP P-MAX	5.5	SL	22.0 oz/a	POST1 A	204	50.0	75.0
						314	50.0	75.0
						415	50.0	75.0
						Mean =	40.0	77.5
3	CLARITY	4	SL	16.0 oz/a	POST1 A	103	50.0	90.0
	ROUNDUP P-MAX	5.5	SL	22.0 oz/a	POST1 A	209	80.0	75.0
						316	85.0	90.0
						411	65.0	75.0
						Mean =	70.0	82.5
4	COBRA	2	EC	10.0 oz/a	POST1 A	104	95.0	65.0
	ROUNDUP P-MAX	5.5	SL	22.0 oz/a	POST1 A	207	65.0	65.0
	COC			0.83 % v/v	POST1 A	305	80.0	75.0
						416	95.0	85.0
						Mean =	83.8	72.5
5	COBRA	2	EC	12.5 oz/a	POST1 A	105	95.0	60.0
	ROUNDUP P-MAX	5.5	SL	22.0 oz/a	POST1 A	215	85.0	50.0
	COC			0.83 % v/v	POST1 A	304	85.0	65.0
						409	60.0	60.0
						Mean =	81.3	58.8
6	COBRA	2	EC	16.0 oz/a	POST1 A	106	99.0	65.0
	ROUNDUP P-MAX	5.5	SL	22.0 oz/a	POST1 A	214	95.0	60.0
	COC			0.83 % v/v	POST1 A	307	90.0	65.0
						404	90.0	70.0
						Mean =	93.5	65.0
7	CLARITY	4	SL	8.0 oz/a	POST1 A	107	95.0	50.0
	COBRA	2	EC	10.0 oz/a	POST1 A	203	99.0	60.0
	ROUNDUP P-MAX	5.5	SL	22.0 oz/a	POST1 A	315	99.0	65.0
	COC			0.83 % v/v	POST1 A	413	85.0	85.0
						Mean =	94.5	65.0
8	CLARITY	4	SL	8.0 oz/a	POST1 A	108	99.0	65.0
	COBRA	2	EC	12.5 oz/a	POST1 A	202	99.0	60.0
	ROUNDUP P-MAX	5.5	SL	22.0 oz/a	POST1 A	310	99.0	65.0
	COC			0.83 % v/v	POST1 A	412	99.0	90.0
						Mean =	99.0	70.0
9	CLARITY	4	SL	16.0 oz/a	POST1 A	109	80.0	0.0
	COBRA	2	EC	10.0 oz/a	POST1 A	210	90.0	70.0
	ROUNDUP P-MAX	5.5	SL	22.0 oz/a	POST1 A	313	99.0	65.0
	COC			0.83 % v/v	POST1 A	414	99.0	95.0
						Mean =	92.0	57.5
10	CLARITY	4	SL	16.0 oz/a	POST1 A	110	99.0	65.0
	COBRA	2	EC	12.5 oz/a	POST1 A	208	99.0	60.0
	ROUNDUP P-MAX	5.5	SL	22.0 oz/a	POST1 A	302	90.0	65.0
	COC			0.83 % v/v	POST1 A	401	99.0	60.0
						Mean =	96.8	62.5
11	CLARITY	4	SL	8.0 oz/a	POST1 A	111	99.0	85.0
	COBRA	2	EC	10.0 oz/a	POST1 A	206	99.0	80.0
	ROUNDUP P-MAX	5.5	SL	22.0 oz/a	POST1 A	301	99.0	70.0
	COC			0.83 % v/v	POST1 A	408	99.0	90.0
	CLARITY	4	SL	8.0 oz/a	POST2 B			
	COBRA	2	EC	10.0 oz/a	POST2 B			
	ROUNDUP P-MAX	5.5	SL	22.0 oz/a	POST2 B			
	COC			0.83 % v/v	POST2 B			
						Mean =	99.0	81.3

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Weed Code Crop Code Rating Data Type Rating Unit Rating Date						AMAPA ----- CONTROL PERCENT Jul-7-15	ANNUAL GRASS CONTROL PERCENT Jul-7-15	
Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit	Grow Stg	Appl Code Plot	7	8
12	CLARITY	4	SL	8.0 oz/a	POST1 A	112	99.0	90.0
	COBRA	2	EC	12.5 oz/a	POST1 A	211	99.0	85.0
	ROUNDUP P-MAX	5.5	SL	22.0 oz/a	POST1 A	306	99.0	85.0
	COC			0.83 % v/v	POST1 A	402	99.0	85.0
	CLARITY	4	SL	8.0 oz/a	POST2 B			
	COBRA	2	EC	12.5 oz/a	POST2 B			
	ROUNDUP P-MAX	5.5	SL	22.0 oz/a	POST2 B			
	COC			0.83 % v/v	POST2 B			
						Mean =	99.0	86.3
13	CLARITY	4	SL	16.0 oz/a	POST1 A	113	99.0	80.0
	COBRA	2	EC	10.0 oz/a	POST1 A	212	99.0	95.0
	ROUNDUP P-MAX	5.5	SL	22.0 oz/a	POST1 A	311	99.0	85.0
	COC			0.83 % v/v	POST1 A	403	99.0	85.0
	CLARITY	4	SL	16.0 oz/a	POST2 B			
	COBRA	2	EC	10.0 oz/a	POST2 B			
	ROUNDUP P-MAX	5.5	SL	22.0 oz/a	POST2 B			
	COC			0.83 % v/v	POST2 B			
						Mean =	99.0	86.3
14	CLARITY	4	SL	16.0 oz/a	POST1 A	114	99.0	85.0
	COBRA	2	EC	12.5 oz/a	POST1 A	205	99.0	80.0
	ROUNDUP P-MAX	5.5	SL	22.0 oz/a	POST1 A	308	99.0	85.0
	COC			0.83 % v/v	POST1 A	406	99.0	95.0
	CLARITY	4	SL	16.0 oz/a	POST2 B			
	COBRA	2	EC	12.5 oz/a	POST2 B			
	ROUNDUP P-MAX	5.5	SL	22.0 oz/a	POST2 B			
	COC			0.83 % v/v	POST2 B			
						Mean =	99.0	86.3
15	CLARITY	4	SL	16.0 oz/a	POST1 A	115	99.0	60.0
	ROUNDUP P-MAX	5.5	SL	22.0 oz/a	POST1 A	216	99.0	70.0
	REFLEX	2	SL	24.0 oz/a	POST1 A	303	99.0	65.0
	COC			0.83 % v/v	POST1 A	410	90.0	65.0
						Mean =	96.8	65.0
16	CLARITY	4	SL	16.0 oz/a	POST1 A	116	90.0	60.0
						201	95.0	0.0
						312	99.0	0.0
						407	50.0	50.0
						Mean =	83.5	27.5

University of Georgia

COBRA + DICAMBA FOR WEED CONTROL IN SOYBEANS
BARE-GROUND TEST - NON-CROP

Trial ID: SB-10-15 Study Dir.: MIKE RIFFLE
Location: ATTAPULGUS Investigator: Eric P. Prostko

Weed Code

AMAPA = AMARANTH, PALMER / AMARANTHUS PALMERI S.WATS.
IAQTA = MORNINGGLORY, SMALLFLOWER / JACQUEMONTIA TAMNIFOLIA (L.) GRISEB.
MOLVE = CARPETWEED / MOLLUGO VERTICILLATA L.